#12

PCT

RAW SEQUENCE LISTING DATE: 05/19/2003
PATENT APPLICATION: **US/09/914,958B** TIME: 15:01:33

Input Set : **A:\pf0675usn_subseqlist.txt**
Output Set: **N:\CRF4\05192003\I914958B.raw**

<110> APPLICANT: INCYTE GENOMICS, INC.; TANG, Y. Tom
LAL, Preeti G.; BAUGHN, Mariah R.
YUE, Henry; AU-YOUNG, Janice K.
LU, Dyung Aina M.; ASIMZAI, Yalda
<120> TITLE OF INVENTION: HUMAN SECRETORY PROTEINS
<130> FILE REFERENCE: PF-0675 USN
<140> CURRENT APPLICATION NUMBER: 09/914,958B
C--> **<141> CURRENT FILING DATE: 2003-01-17**
<150> PRIOR APPLICATION NUMBER: PCT/US00/05621
<151> PRIOR FILING DATE: 2000-03-03
<150> PRIOR APPLICATION NUMBER: US 60/123,117
<151> PRIOR FILING DATE: 1999-03-05
<160> NUMBER OF SEQ ID NOS: 44
<170> SOFTWARE: PERL Program
<210> SEQ ID NO: 1
<211> LENGTH: 182
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<220> FEATURE:
<221> NAME/KEY: misc_feature
<223> OTHER INFORMATION: Incyte ID No: 078811CD1
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Ser Leu Pro Val Phe Pro Ser Leu Ser Leu Ile Pro Leu Thr Gln
            20                  25                  30
Met Leu Thr Leu Gly Pro Asp Leu His Leu Leu Asn Pro Ala Ala
        35                  40                  45
Gly Met Thr Pro Gly Thr Gln Thr His Pro Leu Thr Leu Gly Gly
    50                  55                  60
Leu Asn Val Gln Gln Gln Leu His Pro His Val Leu Pro Ile Phe
65                  70                  75
Val Thr Gln Leu Gly Ala Pro Gly His Tyr Pro Lys Leu Arg Gly
                80                  85                  90
Ile Ala Thr Asn Leu His Glu Pro His His Pro Phe Leu Val Pro
            95                 100                 105
Arg Glu Ala Ser Leu Pro Thr Ser Gln Ala Gly Ala Asn Pro Asp
        110                 115                 120
Val Gln Asp Gly Ser Leu Pro Ala Gly Gly Ala Gly Val Asn Pro
    125                 130                 135
Ala Thr Gln Gly Thr Pro Ala Gly Arg Leu Pro Thr Pro Ser Gly
140                 145                 150
Thr Asp Asp Asp Phe Ala Val Thr Thr Pro Ala Gly Ile Gln Arg
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55                  155                 160                 165
56 Ser Thr His Ala Ile Glu Glu Ala Thr Thr Glu Ser Ala Asn Gly
57                  170                 175                 180
58 Ile Gln
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63 <211> LENGTH: 125
64 <212> TYPE: PRT
65 <213> ORGANISM: Homo sapiens
66 <220> FEATURE:
67 <221> NAME/KEY: misc_feature
68 <223> OTHER INFORMATION: Incyte ID No: 371156CD1
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73 Met Val Cys Glu Asp Ala Pro Ser Phe Gln Met Ala Trp Glu Ser
74   1               5                  10                  15
75 Gln Met Ala Trp Glu Arg Gly Pro Ala Leu Leu Cys Cys Val Leu
76                  20                  25                  30
77 Ser Ala Ser Gln Leu Ser Ser Gln Asp Gln Asp Pro Leu Gly His
78                  35                  40                  45
79 Ile Lys Ser Leu Leu Tyr Pro Phe Gly Phe Pro Val Glu Leu Pro
80                  50                  55                  60
81 Arg Pro Gly Pro Thr Gly Ala Tyr Lys Lys Val Lys Asn Gln Asn
82                  65                  70                  75
83 Gln Thr Thr Ser Ser Glu Leu Leu Arg Lys Gln Thr Ser His Phe
84                  80                  85                  90
85 Asn Gln Arg Gly His Arg Ala Arg Ser Lys Leu Leu Ala Ser Arg
86                  95                 100                 105
87 Gln Ile Pro Asp Arg Thr Phe Lys Cys Gly Lys Trp Leu Pro Gln
88                 110                 115                 120
89 Val Pro Ser Pro Val
90                 125
95 <210> SEQ ID NO: 3
96 <211> LENGTH: 320
97 <212> TYPE: PRT
98 <213> ORGANISM: Homo sapiens
100 <220> FEATURE:
101 <221> NAME/KEY: misc_feature
102 <223> OTHER INFORMATION: Incyte ID No: 584050CD1
104 <400> SEQUENCE: 3
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106   1               5                  10                  15
107 Ala Leu Ala Ser Gly Ser Gln Gly Asp Arg Glu Pro Val Tyr Arg
108                 20                  25                  30
109 Asp Cys Val Leu Gln Cys Glu Glu Gln Asn Cys Ser Gly Gly Ala
110                 35                  40                  45
111 Leu Asn His Phe Arg Ser Arg Gln Pro Ile Tyr Met Ser Leu Ala
112                 50                  55                  60
113 Gly Trp Thr Cys Arg Asp Asp Cys Lys Tyr Glu Cys Met Trp Val
114                 65                  70                  75
115 Thr Val Gly Leu Tyr Leu Gln Glu Gly His Lys Val Pro Gln Phe
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Input Set : A:\pf0675usn_subseqlist.txt
Output Set: N:\CRF4\05192003\I914958B.raw

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116                 80                  85                  90
117 His Gly Lys Trp Pro Phe Ser Arg Phe Leu Phe Phe Gln Glu Pro
118                 95                 100                 105
119 Ala Ser Ala Val Ala Ser Phe Leu Asn Gly Leu Ala Ser Leu Val
120                110                 115                 120
121 Met Leu Cys Arg Tyr Arg Thr Phe Val Pro Ala Ser Ser Pro Met
122                125                 130                 135
123 Tyr His Thr Cys Val Ala Phe Ala Trp Val Ser Leu Asn Ala Trp
124                140                 145                 150
125 Phe Trp Ser Thr Val Phe His Thr Arg Asp Thr Asp Leu Thr Glu
126                155                 160                 165
127 Lys Met Asp Tyr Phe Cys Ala Ser Thr Val Ile Leu His Ser Ile
128                170                 175                 180
129 Tyr Leu Cys Cys Val Arg Thr Val Gly Leu Gln His Pro Ala Val
130                185                 190                 195
131 Val Ser Ala Phe Arg Ala Leu Leu Leu Leu Met Leu Thr Val His
132                200                 205                 210
133 Val Ser Tyr Leu Ser Leu Ile Arg Phe Asp Tyr Gly Tyr Asn Leu
134                215                 220                 225
135 Val Ala Asn Val Ala Ile Gly Leu Val Asn Val Val Trp Trp Leu
136                230                 235                 240
137 Ala Trp Cys Leu Trp Asn Gln Arg Arg Leu Pro His Val Arg Lys
138                245                 250                 255
139 Cys Val Val Val Val Leu Leu Leu Gln Gly Leu Ser Leu Leu Glu
140                260                 265                 270
141 Leu Leu Asp Phe Pro Pro Leu Phe Trp Val Leu Asp Ala His Ala
142                275                 280                 285
143 Ile Trp His Ile Ser Thr Ile Pro Val His Val Leu Phe Phe Ser
144                290                 295                 300
145 Phe Leu Glu Asp Asp Ser Leu Tyr Leu Leu Lys Glu Ser Glu Asp
146                305                 310                 315
147 Lys Phe Lys Leu Asp
148                320
153 <210> SEQ ID NO: 4
154 <211> LENGTH: 234
155 <212> TYPE: PRT
156 <213> ORGANISM: Homo sapiens
158 <220> FEATURE:
159 <221> NAME/KEY: misc_feature
160 <223> OTHER INFORMATION: Incyte ID No: 863808CD1
162 <400> SEQUENCE: 4
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164   1               5                  10                  15
165 Trp Arg Arg Ala Val Ser Ser Val Ala Gly Ser Ala Val Gly Ala
166                20                  25                  30
167 Glu Pro Gly Leu Arg Leu Leu Ala Val Gln Arg Leu Pro Val Gly
168                35                  40                  45
169 Ala Ala Phe Cys Arg Ala Cys Gln Thr Pro Asn Phe Val Arg Gly
170                50                  55                  60
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Input Set : A:\pf0675usn_subseqlist.txt
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171 Leu His Ser Glu Pro Gly Leu Glu Glu Arg Ala Glu Gly Thr Val
172 65 70 75
173 Asn Glu Gly Arg Pro Glu Ser Asp Ala Ala Asp His Thr Gly Pro
174 80 85 90
175 Lys Phe Asp Ile Asp Met Met Val Ser Leu Leu Arg Gln Glu Asn
176 95 100 105
177 Ala Arg Asp Ile Cys Val Ile Gln Val Pro Pro Glu Met Arg Tyr
178 110 115 120
179 Thr Asp Tyr Phe Val Ile Val Ser Gly Thr Ser Thr Arg His Leu
180 125 130 135
181 His Ala Met Ala Phe Tyr Val Val Lys Met Tyr Lys His Leu Lys
182 140 145 150
183 Cys Lys Arg Asp Pro His Val Lys Ile Glu Gly Lys Asp Thr Asp
184 155 160 165
185 Asp Trp Leu Cys Val Asp Phe Gly Ser Met Val Ile His Leu Met
186 170 175 180
187 Leu Pro Glu Thr Arg Glu Ile Tyr Glu Leu Glu Lys Leu Trp Thr
188 185 190 195
189 Leu Arg Ser Tyr Asp Asp Gln Leu Ala Gln Ile Ala Pro Glu Thr
190 200 205 210
191 Val Pro Glu Asp Phe Ile Leu Gly Ile Glu Asp Asp Thr Ser Ser
192 215 220 225
193 Val Thr Pro Val Glu Leu Lys Cys Glu
194 230
199 <210> SEQ ID NO: 5
200 <211> LENGTH: 278
201 <212> TYPE: PRT
202 <213> ORGANISM: Homo sapiens
204 <220> FEATURE:
205 <221> NAME/KEY: misc_feature
206 <223> OTHER INFORMATION: Incyte ID No: 378433CD1
208 <400> SEQUENCE: 5
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210 1 5 10 15
211 His Val Pro Leu Leu Gly Leu Leu Arg Leu Gln Leu Arg Ala Ala
212 20 25 30
213 Arg Gln Pro Gly Ala Met Arg Pro Gln Gly Pro Ala Ala Ser Pro
214 35 40 45
215 Gln Arg Leu Arg Gly Leu Leu Leu Leu Leu Leu Leu Gln Leu Pro
216 50 55 60
217 Ala Pro Ser Ser Ala Ser Glu Ile Pro Lys Gly Lys Gln Lys Ala
218 65 70 75
219 Gln Leu Arg Gln Arg Glu Val Val Asp Leu Tyr Asn Gly Met Cys
220 80 85 90
221 Leu Gln Gly Pro Ala Gly Val Pro Gly Arg Asp Gly Ser Pro Gly
222 95 100 105
223 Ala Asn Gly Ile Pro Gly Thr Pro Gly Ile Pro Gly Arg Asp Gly
224 110 115 120
225 Phe Lys Gly Glu Lys Gly Glu Cys Leu Arg Glu Ser Phe Glu Glu

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226                 125                 130                 135
227 Ser Trp Thr Pro Asn Tyr Lys Gln Cys Ser Trp Ser Ser Leu Asn
228                 140                 145                 150
229 Tyr Gly Ile Asp Leu Gly Lys Ile Ala Glu Cys Thr Phe Thr Lys
230                 155                 160                 165
231 Met Arg Ser Asn Ser Ala Leu Arg Val Leu Phe Ser Gly Ser Leu
232                 170                 175                 180
233 Arg Leu Lys Cys Arg Asn Ala Cys Cys Gln Arg Trp Tyr Phe Thr
234                 185                 190                 195
235 Phe Asn Gly Ala Glu Cys Ser Gly Pro Leu Pro Ile Glu Ala Ile
236                 200                 205                 210
237 Ile Tyr Leu Asp Gln Gly Ser Pro Glu Met Asn Ser Thr Ile Asn
238                 215                 220                 225
239 Ile His Arg Thr Ser Ser Val Glu Gly Leu Cys Glu Gly Ile Gly
240                 230                 235                 240
241 Ala Gly Leu Val Asp Val Ala Ile Trp Val Gly Thr Cys Ser Asp
242                 245                 250                 255
243 Tyr Pro Lys Gly Asp Ala Ser Thr Gly Trp Asn Ser Val Ser Arg
244                 260                 265                 270
245 Ile Ile Ile Glu Glu Leu Pro Lys
246                 275
247 <210> SEQ ID NO: 6
248 <211> LENGTH: 136
249 <212> TYPE: PRT
250 <213> ORGANISM: Homo sapiens
251 <220> FEATURE:
252 <221> NAME/KEY: misc_feature
253 <223> OTHER INFORMATION: Incyte ID No: 1655369CD1
254 <400> SEQUENCE: 6
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258                 20                  25                  30
259 Met Ala Gln Gly Gln Gln Met Leu Ala Gly Gln Leu Leu Pro Met
260                 35                  40                  45
261 Leu Thr Leu Leu Pro Pro Ser Phe Pro Leu Pro His Pro Thr Leu
262                 50                  55                  60
263 Gly Pro Arg Arg His Ala Ser Leu Thr Gln Leu Gly Pro Ala Phe
264                 65                  70                  75
265 Trp Met Ala Trp Gly Arg Pro Trp Ala His Leu Gly Pro Gly Gln
266                 80                  85                  90
267 Pro Leu Gly Gln Leu Trp Lys Ser Ser Val Glu Glu His Leu Leu
268                 95                 100                 105
269 Ala Ala Trp Leu Gln Pro Leu Ala Leu Leu Glu Trp Ser Leu Gly
270                110                 115                 120
271 Ala Ser Ala Leu Ser Ala Leu Gly Thr Ser His Pro Leu Gly Leu
272                125                 130                 135
273 Gln
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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/914,958B

DATE: 05/19/2003
TIME: 15:01:34

Input Set : A:\pf0675usn_subseqlist.txt
Output Set: N:\CRF4\05192003\I914958B.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date